Susan Idicula-Thomas

List of Publications by Year
in descending order

39 papers	1,908 citations	516710 16 h-index	315739 38 g-index
40 all docs	40 docs citations	40 times ranked	2797 citing authors

#	Article	IF	Citations
1	CAMP_{R3}: a database on sequences, structures and signatures of antimicrobial peptides: Table 1.. Nucleic Acids Research, 2016, 44, D1094-D1097.	14.5	521
2	CAMP: a useful resource for research on antimicrobial peptides. Nucleic Acids Research, 2010, 38, D774-D780.	14.5	352
3	CAMP: Collection of sequences and structures of antimicrobial peptides. Nucleic Acids Research, 2014, 42, D1154-D1158.	14.5	219
4	Understanding the relationship between the primary structure of proteins and its propensity to be soluble on overexpression inEscherichia coli. Protein Science, 2005, 14, 582-592.	7.6	147
5	ClassAMP: A Prediction Tool for Classification of Antimicrobial Peptides. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 1535-1538.	3.0	108
6	Collection of antimicrobial peptides database and its derivatives: Applications and beyond. Protein Science, 2020, 29, 36-42.	7.6	82
7	Novel homozygous mutations in Desert Hedgehog gene in patients with 46,XY complete gonadal dysgenesis and prediction of its structural and functional implications by computational methods. European Journal of Medical Genetics, 2011, 54, e529-e534.	1.3	49
8	PCOSKB: A KnowledgeBase on genes, diseases, ontology terms and biochemical pathways associated with PolyCystic Ovary Syndrome. Nucleic Acids Research, 2016, 44, D1032-D1035.	14.5	46
9	A Chemical Proteomics Approach to Profiling the ATP-binding Proteome of Mycobacterium tuberculosis. Molecular and Cellular Proteomics, 2013, 12, 1644-1660.	3.8	41
10	Identification of Novel Mutations in HEXA Gene in Children Affected with Tay Sachs Disease from India. PLoS ONE, 2012, 7, e39122.	2.5	37
11	Evaluation of 4-thiazolidinone derivatives as potential reverse transcriptase inhibitors against HIV-1 drug resistant strains. Bioorganic Chemistry, 2017, 71, 211-218.	4.1	34
12	Designing Antibacterial Peptides with Enhanced Killing Kinetics. Frontiers in Microbiology, 2018, 9, 325.	3.5	29
13	A Recombinant Fragment of Human Surfactant Protein D Binds Spike Protein and Inhibits Infectivity and Replication of SARS-CoV-2 in Clinical Samples. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 41-53.	2.9	29
14	Understanding the relationship between the primary structure of proteins and their amyloidogenic propensity: clues from inclusion body formation. Protein Engineering, Design and Selection, 2005, 18, 175-180.	2.1	24
15	Protein–Protein Interaction between Surfactant Protein D and DC-SIGN via C-Type Lectin Domain Can Suppress HIV-1 Transfer. Frontiers in Immunology, 2017, 8, 834.	4.8	23
16	Phenotypic and genotypic characterization of Factor VII deficiency patients from Western India. Clinica Chimica Acta, 2009, 409, 106-111.	1.1	22
17	Leveraging family-specific signatures for AMP discovery and high-throughput annotation. Scientific Reports, 2016, 6, 24684.	3.3	16
18	PCOSKBR2: a database of genes, diseases, pathways, and networks associated with polycystic ovary syndrome. Scientific Reports, 2020, 10, 14738.	3.3	16

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19	Correlation between the structural stability and aggregation propensity of proteins. In Silico Biology, 2007, 7, 225-37.	0.9	14
20	Cervical cancer in Indian women reveals contrasting association among common sub-family of HLA class I alleles. Immunogenetics, 2014, 66, 683-691.	2.4	11
21	Identification and in vivo validation of a 9-mer peptide derived from FSHβ with FSHR antagonist activity. Peptides, 2020, 132, 170367.	2.4	10
22	Meta-analysis of gene expression profiles of lean and obese PCOS to identify differentially regulated pathways and risk of comorbidities. Computational and Structural Biotechnology Journal, 2020, 18, 1735-1745.	4.1	10
23	A steady-state modeling approach for simulation of antimicrobial peptide-cell membrane interaction. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183242.	2.6	9
24	Exploring the druggable proteome of Candida species through comprehensive computational analysis. Genomics, 2021, 113, 728-739.	2.9	8
25	HPV16 E6 variants: Frequency, association with HPV types and in silico analysis of the identified novel variants. Journal of Medical Virology, 2014, 86, 968-974.	5.0	6
26	Effect of diversity in gp41 membrane proximal external region of primary HIV-1 Indian subtype C sequences on interaction with broadly neutralizing antibodies 4E10 and 10E8. Virus Research, 2019, 273, 197763.	2.2	6
27	Discovery of small molecule binders of human FSHR(TMD) with novel structural scaffolds by integrating structural bioinformatics and machine learning algorithms. Journal of Molecular Graphics and Modelling, 2019, 89, 156-166.	2.4	5
28	In Silico Study on Binding Specificity of Gonadotropins and Their Receptors: Design of a Novel and Selective Peptidomimetic for Human Follicle Stimulating Hormone Receptor. PLoS ONE, 2013, 8, e64475.	2.5	5
29	Imatinib resistance due to a novel tri-nucleotide insertion in the SH2/C lobe interface of BCR/ABL kinase domain between position K357 and N358. Leukemia Research, 2012, 36, e110-e112.	0.8	4
30	A 5-mer peptide derived from hinge region of hFSHR can function as positive allosteric modulator in vivo. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183492.	2.6	4
31	Enrichment analyses of diseases and pathways associated with precocious puberty using PrecocityDB. Scientific Reports, 2021, 11, 4203.	3.3	4
32	FSHR antagonists can trigger a PCOS-like state. Systems Biology in Reproductive Medicine, 2022, 68, 129-137.	2.1	4
33	Mapping of FSHR agonists and antagonists binding sites to identify potential peptidomimetic modulators. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183842.	2.6	3
34	A QSAR modeling approach for predicting myeloid antimicrobial peptides with high sequence similarity. Chemical Biology and Drug Design, 2020, 96, 1408-1417.	3.2	2
35	Central residues of FSHβ (89–97) peptide are not critical for FSHR binding: Implications for peptidomimetic design. Bioorganic and Medicinal Chemistry Letters, 2021, 44, 128132.	2.2	2
36	Comparison of machine learning algorithms applied to symptoms to determine infectious causes of death in children: national survey of 18,000 verbal autopsies in the Million Death Study in India. BMC Public Health, 2021, 21, 1787.	2.9	2

#	Article	IF	Citations
37	Multimorbidity landscape of schizophrenia: Insights from meta-analysis of genome wide association studies. Schizophrenia Research, 2022, 243, 214-216.	2.0	1
38	GeDiPNet: Online resource of curated gene-disease associations for polypharmacological targets discovery. Genes and Diseases, 2022, , .	3.4	1
39	Hereditary basis of protein C deficiency (PCD) in thrombosis patients: first report from India. Thrombosis and Haemostasis, 2009, 101, 785-7.	3.4	0